FILE IN DUPLICATE

[For full information concerning the filling out of this form refer to Article 4 of Rules and Regulations Pertaining to Appropriation of Water]

STATE OF CALIFORNIA—STATE WATER RIGHTS BOARD

Application No. 18084 Filed April 7, 1958, at 4:57 P. M.
(Applicant must not fill in the above blanks)

APPLICATION TO APPROPRIATE UNAPPROPRIATED WATER

SUPPLEMENT APPLICATION RECEIVED 8-10-62

I, Placer County Water Agency
Name of applicant or applicants

of Auburn County of Placer
Address

State of California, do hereby make application for a permit to appropriate the following described unappropriated waters of the State of California, *SUBJECT TO VESTED RIGHTS:*

Source, Amount, Use and Location of Diversion Works

1. The source of the proposed appropriation is See supplement
Give name of stream, lake, etc., if named; if unnamed state nature of source and that it is unnamed

Placer and located in El Dorado County, tributary to See supplement

2. The amount of water which applicant desires to appropriate under this application is as follows:

(a) For diversion to be directly applied to beneficial use See supplement cubic feet per second
1 cubic foot per second equals 40 statute miner's inches or 646,317 gallons per day

to be diverted from January 1 to December 31 of each year.
Beginning date Closing date

(b) For diversion to be stored and later applied to beneficial use See supplement acre-feet per annum
1 acre-foot equals 325,851 gallons

to be collected between November 1 and July 1 of each season.
Beginning date Closing date

NOTE.—Answer (a) or (b) or both (a) and (b) as may be necessary. If amount under (a) is less than .025 cubic foot per second, state in gallons per day. Neither the amount nor the season may be increased after application is filed. If underground storage is proposed a special supplemental form will be supplied by the State Water Rights Board upon request.

3. The use to which the water is to be applied is power and recreational
Domestic, irrigation, power, municipal, mining, industrial, recreational

purposes.

4. The point of diversion is to be located See supplement
State bearing and distance or coordinate distances from section or quarter section corner

being within the
State 40-acre subdivision of public land survey or projection thereof

of Section , T. , R. , B. & M., in the County of

5. The main conduit terminates in $NW\frac{1}{4}$ of $NW\frac{1}{4}$ of Sec. 3, T. 13N, R. 11E, M. D. B. & M.
State 40-acre subdivision of U. S. Government survey or projection thereof

Description of Diversion Works

NOTE.—An application cannot be approved for an amount grossly in excess of the estimated capacity of the diversion works.

6. Intake or Headworks (fill only those blanks which apply)

(a) Diversion will be made by pumping from
Sump, offset well, unobstructed channel, etc.

(b) Diversion will be by gravity, the diverting dam being feet in height (stream bed to level of overflow); feet long on top; and constructed of See supplement
Concrete, earth, brush, etc.

(c) The storage dam will be See supplement feet in height (stream bed to spillway level); feet long on top; have a freeboard of feet, and be constructed of
Concrete, earth, etc.

7. Storage Reservoir See supplement
Name

The storage reservoir will flood lands in
Indicate section or sections, also 40-acre subdivisions unless shown upon map

It will have a surface area of acres, and a capacity of acre-feet. If reservoir has a capacity of 25 acre-feet or more fill in the following: Diameter of outlet pipe inches; length feet; difference in elevation from spillway level to highest point of outlet pipe feet; fall in pipe feet.

☞ In case of insufficient space for answers in form, attach extra sheets at top of page 3 and cross reference.

FORM 1

8. **Conduit System** (describe main conduits only)

(a) Canal, ditch, flume: Width on top (at water line) See supplement feet; width at bottom ____ feet; depth of water ____ feet; length ____ feet; grade ____ feet per 1,000 feet; materials of construction ____

Cross out two not used

Earth, rock, timber, etc.

(b) Pipe line: Diameter See supplement inches; length ____ feet; grade ____ feet per 1,000 feet; total fall/lift from intake to outlet ____ feet; kind ____

Riveted steel, concrete, wood-stave, etc.

NOTE.—If a combination of different sizes or kinds of conduit is to be used, attach extra sheets with complete description, also show location of each clearly on map.

9. **The estimated capacity** of the diversion conduit or pumping plant proposed is See supplement

State cubic feet per second or gallons per minute

The estimated cost of the diversion works proposed is $ 99,676,000

Give only cost of intake, or headworks, pumps, storage reservoirs and main conduits described herein

Completion Schedule

10. **Construction work** will begin on or before July 1, 1965

Construction work will be completed on or before July 1, 1975

The water will be completely applied to the proposed use on or before July 1, 1975

Description of Proposed Use

11. **Place of Use.** See supplement

State 40-acre subdivisions of the public land survey. If area is unsurveyed indicate the location as if lines of the public land survey were projected. In the case of irrigation use state the number of acres to be irrigated in each 40-acre tract, if space permits. If space does not permit listing of all 40-acre tracts, describe area in a general way and show detail upon map.

Do(es) applicant(s) own the land whereon use of water will be made? No (Yes or No) Jointly? ____ (Yes or No)

All joint owners should include their names as applicants and sign application at bottom of third page.

Power Plants will be on National Forest or privately owned lands. Use permits will be obtained for National Forest lands - Private lands will be purchased or condemned.

If applicant does not own land whereon use of water will be made, give name and address of owner and state what arrangements have been made with him.

12. **Other Rights.** Describe all rights except those on file with the State Water Rights Board under which water is served to the above named lands.

Nature of Right (riparian, appropriative, purchased water, etc.)	Year of First Use	Use made in recent years including amount if known	Season of Use	Source of Other Supply
1.				
2.				
3.				
4.				

Attach supplement at top of page 3 if necessary.

13. **Irrigation Use.** The area to be irrigated is ____ acres.

State net acreage to be irrigated

The segregation of acreage as to crops is as follows: Rice ____ acres; alfalfa ____ acres; orchard ____ acres; general crops ____ acres; pasture ____ acres.

NOTE.—Care should be taken that the various statements as to acreage are consistent with each other, with the statement in Paragraph 11, and with the map.

The irrigation season will begin about ____ (Beginning date) and end about ____ (Closing date)

14. **Power Use.** The total fall to be utilized is See supplement feet.

Difference between nozzle or draft tube water level and first free water surface above

The maximum amount of water to be used through the penstock is See supplement cubic feet per second.

The maximum theoretical horsepower capable of being generated by the works is See supplement horsepower.

Second feet × fall ÷ 8.8

The use to which the power is to be applied is to be sold at wholesale

For distribution and sale or private use, etc.

The nature of the works by means of which power is to be developed is See supplement

Turbine, Pelton wheel, etc.

The size of the nozzle to be used is ____ inches.

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The water will ~~will not~~ be returned to Middle Fork American River (Name stream) in $NW\frac{1}{4}$ of $NW\frac{1}{4}$ (State 40-acre subdivision) of Sec. 3, T. 13N, R. 11E, M. D. B. & M.

IMPORTANT
[Please Read Carefully]

1. *Note the terms and conditions of this permit.* Construction work must be prosecuted, and the water applied to the beneficial uses intended with due diligence. Annual reports of progress will be expected from you upon forms which will be furnished for the purpose. When the water has been fully applied to the beneficial uses intended the Water Code requires that you notify the State Water Rights Board thereof.

2. Neither this application nor the permit is a water right, but *if the terms and conditions of the permit are observed a water right can be obtained through beneficial use of the water*—the extent of the right to be determined by a field inspection which will be made by a representative of the State Water Rights Board.

3. *No change in point of diversion, or place of use or character of use, can be made under this application and permit* without the approval of the State Water Rights Board.

4. *If the rights under this permit are assigned* immediate notice to that effect with the name and address of the new owner should be forwarded to the State Water Rights Board, Sacramento, California.

5. *Please advise immediately of any change of address.* Until otherwise advised communications will be sent to the address used in the letter transmitting this permit.

51379 10-61 2M SPO

1. The amount of water appropriated shall be limited to the amount that can be beneficially used and shall not exceed (a) 150 cubic feet per second (cfs) by direct diversion, year-round, and 25,000 acre-feet (af) to off-stream storage at a maximum rate of 400 cfs from about November 1 of each year to about July 1 of the succeeding year from Duncan Creek to French Meadows Reservoir, (b) 290 cfs by direct diversion, year-round, and 95,000 af by storage from about November 1 of each year to about July 1 of the succeeding year from the Middle Fork American River at French Meadows Reservoir, (c) 675 cfs by direct diversion, year-round, and 129,000 af by storage from about November 1 of each year to about July 1 of the succeeding year from Rubicon River at Hell Hole Reservoir, (d) 400 cfs by direct diversion, year-round, from South Fork Long Canyon to Hell Hole Reservoir (for regulation) or to Middle Fork power plant, (e) 100 cfs by direct diversion, year-round, from North Fork Long Canyon to Hell Hole Reservoir (for regulation) or to Middle Fork power plant and (f) 1,000 cfs by direct diversion, year-round, from Middle Fork American River at the Ralston Interbay and 1,225 cfs by direct diversion, year-round, from Middle Fork American River at Ralston Afterbay. (0000005)

2. The maximum amount of water to be diverted to storage under this permit and permits issued pursuant to Applications 18085, 18086 and 18087 during any one season shall not exceed (a) 133,700 acre-feet at French Meadows Reservoir and (b) 208,400 acre-feet at Hell Hole Reservoir. (0000114)

3. The maximum amount herein stated may be reduced in the license if investigation warrants. (0000006)

4. Actual construction work shall begin on or before September 1, 1963, and shall thereafter be prosecuted with reasonable diligence, and if not so commenced and prosecuted, this permit may be revoked. (0000007)

5. Construction work shall be completed on or before December 1, 1967. (0000008)

6. Complete application of the water to the proposed use shall be made on or before December 1, 2007. (0000009)

7. Progress reports shall be filed promptly by permittee on forms which will be provided annually by the State Water Rights Board until license is issued. (0000010)

8. All rights and privileges under this permit, including method of diversion, method of use, and quantity of water diverted are subject to the continuing authority of the State Water Rights Board in accordance with law and in the interest of the public welfare to prevent waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion of said water. (0000012)

9. This permit is subject to the prior rights of any county in which the water sought to be appropriated originates to the use of such water as may be necessary for the development of such county as provided for in Section 10505 of the Water Code. (0000999)

10. To the extent that their provisions relate to matters within the jurisdiction of the State Water Rights Board, this permit is subject to stipulations and agreements between the permittee and the California Department of Fish and Game, dated July 20, 1962, San Juan Suburban Water District et al., dated May 21, 1962, Sacramento Municipal Utility District, dated May 21, 1962, and the City of Sacramento, dated May 21, 1962, which were filed for record at the hearing on applications 18084, 18085, 18086, and 18087 as Placer County Water Agency's Exhibits 19, 20, 21, and 22, respectively.

(0430099)

APPLICANT MUST NOT FILL IN BLANKS BELOW

PERMIT No. 13855

This is to certify that the application of which the foregoing is a true and correct copy has been considered and approved by the State Water Rights Board SUBJECT TO VESTED RIGHTS and the following limitations and conditions:

XXXXXX

11. This permit does not authorize collection of water to storage during the period outside of the collection seasons specified in Paragraph 1, to offset evaporation or seepage losses or for any other purpose. (0000005)

12. Permittee shall allow representatives of the State Water Rights Board and other parties as may be authorized from time to time by said Board reasonable access to project works to determine compliance with the terms of this permit. (0000010)

13. In accordance with requirements of Water Code Section 1393, permittee shall clear the site of each of the proposed reservoirs of all structures, trees, and other vegetation which would interfere with the use of the reservoir for water storage and recreational purposes. (0120050)

14. This permit is subject to compliance by permittee with Section 10504.5(a) of the Water Code. (0330999)

15. Separate applications for the approval of plans and specifications for construction of the dams described in this approved water right application shall be filed with and approved by the Department of Water Resources prior to commencement of construction of the dams. (0360048)

This permit is issued and permittee takes it subject to the following provisions of the Water Code:

Section 1390. A permit shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code), but no longer.

Section 1391. Every permit shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article and the statement that any appropriator of water to whom a permit is issued takes it subject to the conditions therein expressed.

Section 1392. Every permittee, if he accepts a permit, does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefor shall at any time be assigned to or claimed for any permit granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code), in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any permittee or by the holder of any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State, of the rights and property of any permittee, or the possessor of any rights granted, issued, or acquired under the provisions of this division (of the Water Code).

Dated: JAN 10 1963

STATE WATER RIGHTS BOARD

L. K. Hill

L. K. Hill
Executive Officer

75394 10-62 5CO ① SFO

DO NOT WRITE IN THIS SPACE

ATTACH EXTRA SHEETS HERE

15. **Municipal Use.** This application is made for the purpose of serving _____ (Name city or cities, town or towns. Urban areas only) having a present population of _____

The estimated average daily consumption during the month of maximum use at the end of each five-year period until the full amount applied for is put to beneficial use is as follows:

16. **Mining Use.** The name of the mining property to be served is _____ (Name of claim) and the nature of the mines is _____ (Gold placer, quartz, etc.)

The method of utilizing the water is _____

It is estimated that the ultimate water requirement for this project will be _____ (Cubic feet per second, gallons per minute. State basis of estimate)

The water will / will not be polluted by chemicals or otherwise _____ (Explain nature of pollution, if any)

and it will / will not be returned to _____ (Name stream) in _____ (State 40-acre subdivision) of Sec. _____, T. _____, R. _____, _____ B. & M.

17. **Other Uses.** The nature of the use proposed is recreational (Industrial, recreational, domestic, stockwatering, fish culture, etc.)

State basis of determination of amount needed. _____ (Number of persons, residences, area of domestic lawns and gardens, number and kind of stock, type industrial use, and unit requirements)

Recreational use on and in the vicinity of the proposed reservoirs is contemplated.

General

18. Are the maps as required by the Rules and Regulations filed with Application? Yes (Yes or No). If not, state specifically the time required for filing same _____

19. Does the applicant own the land at the proposed point of diversion? No (Yes or No). If not, give name and address of owner and state what steps have been taken to secure right of access thereto See paragraph 11

20. What is the name of the post office most used by those living near the proposed point of diversion?

Auburn, California

21. What are the names and addresses of claimants of water from the source of supply below the proposed point of diversion?

U. S. Bureau of Reclamation

City of Sacramento

Others not known

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[SIGNATURE OF APPLICANT] /s/ Placer County Water Agency
E. L. Anderson - Chairman
Board of Directors

Supplement to Application 18084

Paragraph 1 - Sources of Appropriation

(1) Duncan Creek
(2) Middle Fork, American River
(3) Rubicon River
(4a) South Fork, Long Canyon
(4b) North Fork, Long Canyon
(5) Middle Fork, American River
(6) Middle Fork, American River

(4a) is tributary to (3)

(4b) is tributary to (4a)

(1) and (3) are tributary to (2) or (5) or (6).

(2) or (5) or (6) are tributary to the North Fork, American River thence the American River.

Supplement to Application 18084

Paragraph 2 (a) and (b) - Amount of Water

	STREAM	STRUCTURE	For Diversion to be directly applied to beneficial use - Cubic Feet per Second	For Diversion to be stored and later applied to beneficial use - Ac.Ft./Annum	Name of Reservoir where water will be stored
1.	Duncan Creek	Duncan Creek Diversion	150	25,000 *	French Meadows
2.	M.F. American R.	French Meadows Dam and Reservoir	290	95,000	French Meadows
3.	Rubicon River	Hell Hole Dam and Reservoir	675	129,000 **	Hell Hole
4a.	S.F. Long Canyon	South Long Canyon Diversion	400		Hell Hole
4b.	N.F. Long Canyon	North Long Canyon Diversion	100		Hell Hole
5.	M.F. American R.	Ralston Interbay	1000	None	
6.	M.F. American R.	Ralston Afterbay	1225	***	

* Maximum rate of diversion to storage - 400 cubic feet per second.

** Includes 4,000 acre-feet of water formerly in Parsley Bar Reservoir which has been eliminated from the Project.

*** This is a reregulating reservoir. Water will be stored and released on daily and weekly schedules.
Water diverted from upper sources commingles with and is included in the diversions from lower sources. Maximum to be taken from each source at any particular time will not exceed the amounts shown and the amounts (except No. 1 and No. 4) may include up to the full amounts of the preceeding diversion.

Supplement to Application 18084

Paragraph 4 - Points of Diversion

Ref. No.	Stream	Diversion	LOCATION						
			California Grid Coordinates, Zone II		Mount Diablo B & M				
			N	E	Quarters		Sec	T-N	R-E
	Par. 4 - Points of Diversion								
1	Duncan Creek	Duncan Creek	538,130	2,431,040	NW	SW	24	15	13
2	M.F. American R.	French Meadows	530,100	2,434,250	NW	NE	36	15	13
3	Rubicon River	Hell Hole	510,750	2,452,000	SW	SE	16	14	14
4a	S.F. Long Canyon	Long Canyon	507,675	2,434,250	SW	NE	24	14	13
4b	N.F. Long Canyon	Long Canyon	506,970	2,431,250	NW	SW	24	14	13
5	M.F. American R.	Ralston Interbay	498,137	2,397,300	NW	NE	35	14	12
6	M.F. American River	Ralston Afterbay	490,160	2,357,100	NW	NW	3	13	11
	Par. 4 - Points of Re-diversion								
2	M.F. American R.	French Meadows	530,100	2,434,250	NW	NE	36	15	13
3	Rubicon River	Hell Hole	510,750	2,452,000	SW	SE	16	14	14
5	M.F. American R.	Ralston Interbay	498,137	2,397,300	NW	NE	35	14	12
6	M.F. American R.	Ralston Afterbay	490,160	2,357,100	NW	NW	3	13	11

Supplement to Application 18084

Paragraph 6 - Intake or Headworks

Ref. No.	Stream	Name of Dam	Dimensions (feet) Height	Length	Freeboard	Material
	Paragraph 6(b) - Diversion Dams					
1	Duncan Creek	Duncan Creek Diversion	32	188	10	Concrete
4a	S.F. Long Canyon	Long Can. Diversion	37	230	7.5	Concrete
46	N.F. Long Canyon	Long Can. Diversion	13	154	5	Concrete
5	M.F. American R.	Ralston Interbay	75	212	10	Concrete
6	M.F. American R.	Ralston Afterbay	90	500	5	Gravel Fill
	Paragraph 6 (c) - Storage Dams					
2	M. F. American R.	French Meadows*	228	2700	5	Composite
3	Rubicon River	Hell Hole	410	1570	20	Rockfill

* Also serves as Diverting Dam

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Supplement to Application 18084

Paragraph 7 - Storage Reservoirs

Ref. No.	Stream	Reservoir	Flood Lands in	Surface Area Acres	Capacity Acre-feet
	M. F. American River	French Meadows	See Map	1418	133,700
	Rubicon River	Hell Hole	See Map	1245	208,400

Supplement to Application 18084

Paragraphs 8 (a) and 9 - Conduit System and Capacities

FROM	TO	DISTANCE MILES	SECTION	SIZE (FEET)	TYPE	SLOPE (INVERT GRADIENT)	CAPACITY Cubic feet per sec
Duncan Creek Diversion Duncan Creek	French Meadows Reservoir M.F. American River	1.49	Tunnel Horseshoe (unlined)	9 X 10	Flowline	0.0018	400
French Meadows Res. M.F. American River	French Meadows P.P. Rubicon River	2.78	Tunnel Horseshoe (unlined)	12.5 X 12.5	Pressure	0.0040	400
Hell Hole Reservoir Rubicon River	Long Canyon Diversion S.F. Long Canyon	3.29	Tunnel Horseshoe (unlined)	13.25 X 13.25	Pressure	0.0045	830
Long Canyon Diversion S.F. Long Canyon	Long Canyon Diversion N.F. Long Canyon	0.59	Tunnel Horseshoe (unlined)	13.25 X 13.25	Pressure	0.0045	830
Long Canyon Diversion N. F. Long Canyon	M. F. Power Plant M. F. American River	6.54	Tunnel Horseshoe (unlined)	13.25 X 13.25	Pressure	0.0045 and 0.0059	830
Ralston Interbay	Ralston Power Plant	5.14	Tunnel Horseshoe	13.25 X 13.25	Pressure	0.0060	830
M. F. American River	Rubicon River	1.56	Horseshoe	10.58 X 11.42	Pressure	0.0060	830
M. F. American River	M.F. American River (Oxbow Regulator)	0.25	Tunnel Horseshoe	16.0 X 16.0	Pressure		1930

Supplement to Application 18084

Paragraph 11 - Place of Use

Ref. No.	Name of Powerplant	LOCATION (Mount Diablo B & M) Quarters		Section	Township	Range
3	French Meadows	NE	SE	9	14N	14E
5	Middle Fork	NW	NW	36	14	12
5a	Ralston	NW	SW	2	13	11
6	Oxbow (Regulator)	NW	NW	3	13	11

Paragraph 14 - Power Use**

Ref. No.	Name of Powerplant	Total Fall (feet)	Amount of Water C.F.S.	Maximum Theoretical H.P.	Nature of Works to Develop Power
	French Meadows	655	400	29,773*	Reaction Turbine
	Middle Fork	2,096	830	197,690	Impulse Turbine**
	Ralston	1,364	830	128,650	Impulse Turbine**
	Oxbow (Regulator)	85	1930	18,642	Variable Pitch Reaction
				374,755	

* Fall and c.f.s. are not simultaneous, therefore this is a distorted value.

** Designs not sufficiently developed to select nozzle size, combinations, etc.

*** Former Lower Hellhole and Middle Fork combining 56,365 + 141,307 = 197,672.

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